KNRM Helps app abridged user's manual

Safe at sea, safe at home

KNRM

Royal Netherlands Sea Rescue Institution

Patroness
H.R.H. Princess Beatrix of The Netherlands

KNRM saves lives in distress at sea.
Fast, professional and free of charge.

Contact
Mail: P.O.Box 434, 1970 AK IJmuiden, The Netherlands
Visiting address: Haringkade 2, 1976 CP IJmuiden, The Netherlands

Phone: +31 (0)255 54 84 54
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Chamber of Commerce: 411 99789

Follow us on social media
Facebook.com/knrm
Twitter: @knrm
Youtube.com/knrm

**Your todays donation
is tomorrows rescue!
Join our shore rescuers.
www.knrm.nl**

CBF Quality Mark
The Royal Netherlands Rescue Institution holds the quality mark for sustainable acquisition of donations., granted by the Central Fundraising Office. KNRM was re-audited in 2014, without any remarks.

ANBI Qualification
KNRM is certified as a charitable organisation (ANBI) and is as such, for payment of gift and inheritance, ranked in the 0% rate.

ISO 9001 Certification
KNRM holds the ISO 9001 certification for fundraising and supporting lifeboat stations in terms of: care and acquisition of staff, operational readiness and management of equipment. This certification relates to the headoffice business processes in IJmuiden.

The abridged manual below contains a description of the app's main functions and steps. While using the app you will come across more functions, messages and options.

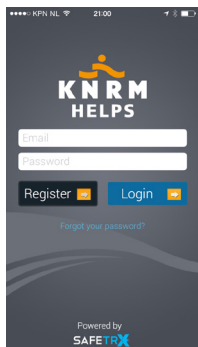## Content

1. Downloading, installation and registration

Downloaden
Download the app from the Google Play Store for Android smartphones or from the Apple App Store for iPhones.

Display & Brightness
The app will be better visible on the water by adjusting the brightness setting of your phone to the maximum level.

Installation
Install the app and accept the End User Licence Agreement terms.

Registration
In order to register, enter your e-mail address and choose a password containing at least 8 characters.

These login details also provide access to your personal pages on the website **www.knrm-helps.nl** so please keep them safe.

Complete the basic registration process in the app. Press (i) for on-screen instructions. Here of at a later stage in the website you are kindly asked to add a recent photograph of your vessel.

Completing the registration on the website
In your own interests and those of the rescue organisations, please ensure that you fully complete your registration on the website **www.knrmhelps.nl**
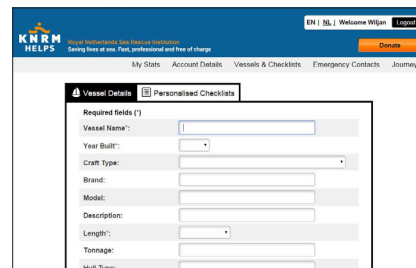
Login on the website KNRM Helps by the use of the menu in the app or by means of a computer or tablet. On the website you can fill in more details of yourself, your emergency contacts and your vessel. You can also personalize your Sail plan checklist.
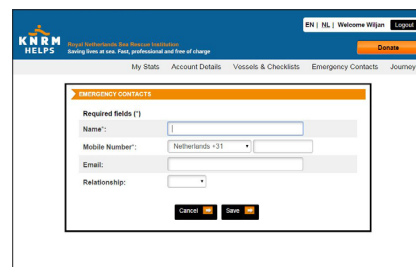
Login into knrmhelps.nl website
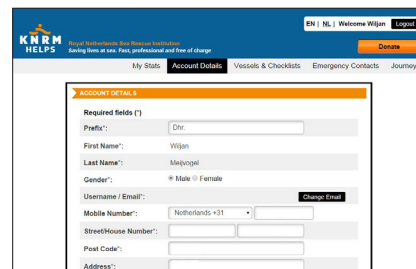
Fill in your personal details.

Fill in your vessel details.

Fill in emergency contact details.

You will also have the option of creating 3 different checklists for each vessel. These may be found under the 'Vessels and Checklists' button.

Sail Plan Checklist
Personalize your Sail Plan Checklist. Don't forget to press 'Save'. Your checklist will be automatically sent to the app on your smartphone (see also 3. Generating a sail plan, running through the checklist, setting out).
The most recently generated personal Sail plan will be sent to your smartphone.
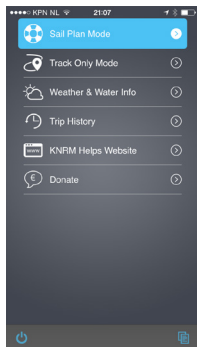
Season Starts and Winter Storage Checklist
On the website you may also generate checklists for winter storage and season starts for your vessel.

Previous trips will be saved on the website and may be accessed via your personal pages.
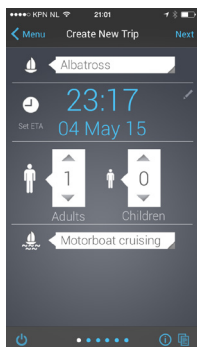
2. Main menu, Sail plan mode

In the main menu you will find two ways of activating the tracking mode:
- Sail plan mode
- Track only mode

The sail plan checklist will only be displayed when using the 'Sail plan mode', provided you have previously personalised this on the website.
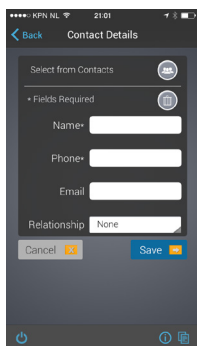
Create new trip
Define a new sail plan. Determine your destination in advance and calculate the expected time of arrival (ETA).

Press the time and choose your ETA in the scroll bar. Press 'Select'.

Enter the number of passengers and the correct activity / vessel type.

Complete the basic registration in the app. Press (i) for on-screen instructions.

Add your emergency contact now or do this later on the website. Add a clear and recent photograph of your vessel here or in the website.

In your own interests and those of the rescue organisations, please ensure that you fully complete your registration on the website **www.knrmhelps.nl**
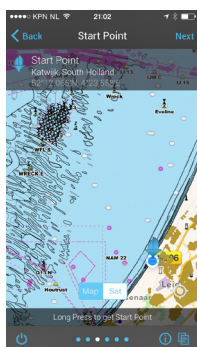
Positioning
If necessary enlarge the map for positioning. Leave your finger on the desired starting point for a second and let go.

If so desired, do the same for one maximum waypoint. Next, enter the end destination in the same way.

You are then given the option of running through the checklist.

3. Defining a sail plan, running through the checklist, setting out
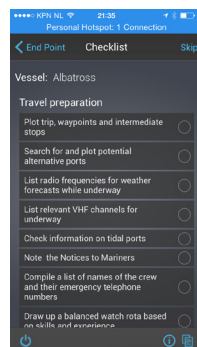
Tick off the boxes in your personal checklist, previously generated on the website. While this is not compulsory it is certainly recommended.

For any other and/or longer trip a new Sail plan checklist may be generated on the website. The most recent version will be displayed in the app.

Weather and water information
When desired, you can check actual weather & water info. This can also be done directly from the 'Trip in progress' screen.
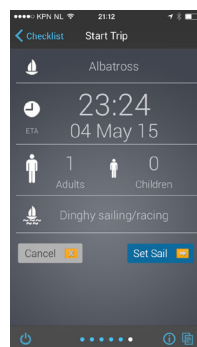
Set sail
Wait untill you actuale have started your trip and press 'Set sail'.

4. Modifying / ending a Sail plan
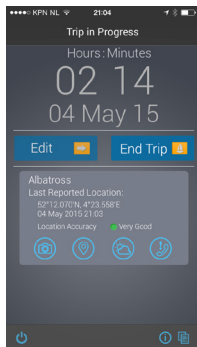
While you are under way, your heading, position and their degree of accuracy, the quality of the mobile connections and the remaining battery capacity of your telephone will be transmitted approximately every five minutes. The nautical chart information is updated about once a month.

Modify sail plan

Modify your sail plan if and when there are changes in your expected time of arrival (ETA) and/or the destination.
Should the ETA be exceeded, the system will generate a number of messages according to an escalation schedule. First, one to you yourself, then 90 minutes after the ETA to your emergency contact(s) and after 2 hours – via the KNRM Alert Centre who will try and contact you first – to the Netherlands Coastguard. See Annex 1 for the escalation schedule.

During your trip the following options are available:
- modifying your sail plan (ETA).
- tracking yourself on the chart.
- keeping a log and adding photographs.
- making an emergency or assistance-required call. Press the telephone icon or press anywhere on the phone's screen for a little over 3 seconds.

In the 'Trip in progress' screen 4 different icons are shown. These are: add Journey log, show Journey Track, local Weather & water info and the (emergency) call screen.
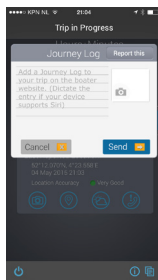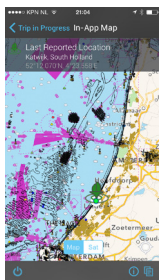
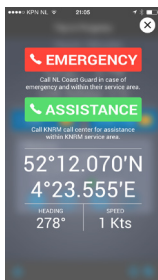Journey Log   Journey Track   Weather & water   (Emergency) Call

Add a Journey Log to your trip on the boater website or report an incident to KNRM.

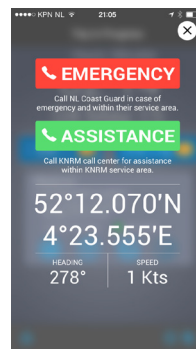View journey track.

View live weather data.

Tap to initiate an emergency or assitance call.

Ending sail plan

Please do not forget to end your sail plan in good time!

When you are not able to end your sail plan, - you might not have a mobile connection - your emergency contacts can have your sail plan end, if they know that you and your crew are all right, via KNRM Alarmcenter.

KNRM Alarmcenter's direct number is:
0031 (0) 592 39 04 51

After your trip you can:
- play back your sail plan on your phone or on the website www.knrmhelps.nl
- share it on Facebook.

EMERGENCY
- Should you find yourself in an emergency situation, press the red '**Emergency**' bar.
- For non-urgent assistance, press the green '**Assistance**' bar.

In either case, your last known position will be forwarded with the call.

Beware: U can only make (emergency) calls when you are in the catchment area of Netherlands Coastguard and KNRM.

The Netherlands Coastguard and KNRM catchment area consists of:
- The North Sea and coastal regions as indicated;
- The Wadden area and the Lauwersmeer;
- The IJsselmeer;
- The Randmeren region;
- The waters and rivers of Zeeland and South Holland as far as Dordrecht.

See Annex 2 for a large map.

5. Track only mode
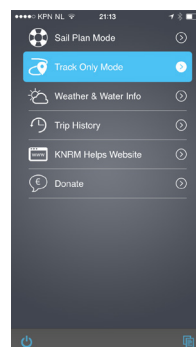
The track only mode may also be activated from the main menu by selecting the 'Track only' mode.

Press the round red button to start the track only mode at the start of your trip.
When you opt for this function you are not connected to the escalation schedule and you will not be able to keep a log book.

The Emergency and Assistance screen is available as are local Weather and water information and the nautical chart showing your position. Should you make an emergency or assistance call your last recorded position will be transmitted with the call.

Please do not forget to switch off track only mode!

6. Other functions from the main menu
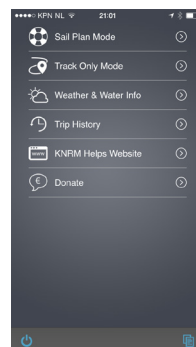
Weather and water info
Provides you with local information.

Trip history
Provides an overview of previous trips; with a playback option.

Website KNRM Helps
Directly accessible via the app.
Or login on the website knrmhelps.nl

Donate function
Allows you to make a one-time € 3,- donation by text message to the KNRM. We are grateful to all donations helping us to cover the cost of KNRM Helps (note: only possible with dutch mobile numbers).

7. About KNRM Helps

a. KNRM and prevention
The KNRM is investing more and more time and attention in prevention. The 'KNRM helps' app and its accompanying website for end users, www.knrm.nl/helps, are products covered by the KNRM's 'prevention umbrella'.
The free app and the personal pages on the website give are instruments used by the KNRM to make boating – even – more fun but primarily they are intended to increase safety. In addition we would like to improve (emergency) assistance on the water. The app and its basic registration provide us, and if necessary other emergency services as well, with more information when rendering emergency aid and assistance.

b. The app's owner and developer
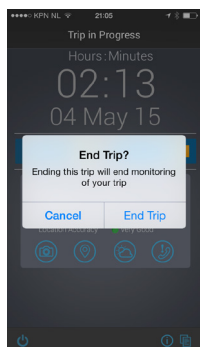The app's owner and developer is Decare Systems Ireland, DSI. The app was originally named SafeTrx. The version available in the Netherlands has been specifically modified for the KNRM. The KNRM is the exclusive license holder in the Netherlands. Other versions of the SafeTrx app are currently being used in Ireland, Australia, Spain and the United Kingdom. In most of those countries, too, the app is a free download. In some countries a small fee per generated sail plan is charged.

c. Your personal information and your sail plan
Any personal information you submit becomes and will remain the property of the KNRM. It will not be made available to any third party without your express consent; with the exception of any emergency situation you find yourself in. The necessary personal information will then – for the duration of their involvement in said emergency situation – be made available to the Netherlands Coastguard and any third party involved in the emergency rescue operation, like helicopter or ambulance services.
Details like point of departure, last known position, heading, destination, the number of passengers (including children) on board and vessel specifics including a photograph are invaluable in rendering assistance. Their availability increases the chances of success, shortens a possible search and makes it possible to deploy the appropriate rescue equipment.
Last but not least, any trip that has been well-prepared will be a more relaxed and pleasurable one. In your own interest, but also in those of us in our capacity as rescue workers, we strongly recommend you generate a sail plan. If you do so you will in any case have the added bonus of being able to play back your trip afterwards on the website accompanying the app. At the very least you can activate the track only mode, by selecting it in the main menu, at the start of your trip.

d. Sound seamanship comes first!
Sound seamanship is vitally important to the KNRM. More important than rules and regulations. Sound seamanship is based on a balanced ratio of knowledge to experience. Aids like this app are useful but at no time can they fully replace sound seamanship.

e. The app's nautical charts and the use thereof
The source of the nautical charts used in the app is the Royal Netherlands Navy Hydrographic Service. The data used is accurate as of March 2015. Neither the charts nor the app are intended to be used for navigational purposes. For instance, they do not contain buoys' and other channel markings' light characteristics. Other equipment for navigation is essential, including approved and up to date (hard copy) nautical charts, or an up-to-date and certified electronic charts system. The chart in this app may be used as point of reference for your position and those of channel markings in your vicinity. However, it should be borne in mind that the reliability of your mobile device's GPS function cannot be guaranteed. Therefore you should always use multiple sources as well as other equipment and you should not place your sole reliance on this app and its charts.

f. For Android and iOS smartphones only!
The app is has been developed for the most commonly used smartphone operating systems, i.e. Android (Google) and iOS (Apple).

g. The Netherlands Coastguard and the KNRM:
In designing the use of the application's functions we have worked closely with the Netherlands Coastguard. The Coastguard's role is and continues to be, alongside its enforcement tasks, the coordination of maritime Search and Rescue (SAR), or, in other words, that of providing maritime rescue services in the Netherlands. The KNRM is the Coastguard's primary partner as far as SAR is concerned. In addition, the KNRM will render assistance to commercial and recreational shipping in non-urgent situations as and when asked and where necessary. The KNRM catchment area matches that of the Coastguard. KNRM Helps has been linked to the assistance that may be rendered to water sports enthusiasts by the KNRM. For that reason, said assistance is limited to KNRM catchment area. Said catchment area is shown in the map below. See Annex 2.

For your information we list a description of the Netherlands Coastguard and KNRM catchment area:
- The North Sea and coastal regions as indicated;
- The Wadden area and the Lauwersmeer;
- The IJsselmeer;
- The Randmeren region;
- The waters and rivers of Zeeland and South Holland as far as Dordrecht.

IMPORTANT!
If you find yourself in an emergency outside of the KNRM and Coastguard catchment area please do not use the app.
In that situation you should use your telephone to contact **112**. Staff at the General Incident Room (Gemeenschappelijke Meldkamer) will help you from there.
If you should need assistance outside of the KNRM and Coastguard catchment area you should contact the nearest local yachting services company.
The KNRM Alert Centre has a list of HISWA-accredited yachting services companies.

h. Escalation schedule in Sail plan mode
When defining and generating a sail plan including a destination and expected time of arrival (ETA) the escalation schedule in Annex 1 will become operational when the ETA is exceeded. See Annex 1.

i. Other important information

Energy consumption
The app has a tracking function whose use includes GPS positioning. In this process a certain amount of information is transmitted to a central computer periodically. This application, too, uses a relatively large amount of energy. For that reason you would be well-advised to check your device's battery levels on a regular basis. Alternatively, you could connect your device to your on-board mains supply.
You can also charge a battery or keep it at a certain level by connecting it to a separate spare battery (a so-called power bank). Such items are for sale in the KNRM online shop.
See **www.knrm.nl/wat-wij-doen/redding-winkel/**

In order to limit energy consumption the app will automatically reduce the frequency of transmitting information as soon as your smartphone's battery level falls below 30%. At such time as the battery reserves fall below10% the transmission of data will cease altogether. Any battery function left at that time is reserved for the (emergency) call function.

Protect your valuable equipment!
Using a smartphone or tablet on deck leads exposes it to the risk of damage to the equipment, either from water exposure, shocks or falls. For that reason we recommend the use of a watertight cover on a lanyard. Reasonably priced, high quality watertight covers for a number of commonly used devices are available in the KNRM online shop.
See **www.knrm.nl/wat-wij-doen/redding-winkel/**

Some brands of smartphone carry a watertight version, including Sony's Experia. Should you require even better protection for your device you could buy a watertight hard case. On the whole these are more expensive though.

Mobile network coverage
For the main part, mobile networks are (still) land-based. There are noticeable differences in network coverage between the various network providers in the Netherlands. Due to lack of a careful study into this subject we are not in the position to make any recommendations on this subject. But, a continuous and uninterrupted connection to any mobile network cannot be guaranteed or taken for granted.

Coverage on open water and at sea is gradually increasing, mainly due to transmitters being placed within wind farms. The newest 4G network, on the whole, has a better rate of coverage than the older GPRS and 3G networks. On average, in 2015, mobile networks along the North Sea coast provide speech and data connections up to around 6 kilometre (3.2 nautical miles) out. While there are a number of weak spots in the Wadden region and on the IJsselmeer, on the whole disruptions in connection are not very long-lasting.
If you use the app to log a sail plan to an overseas destination there will be no mobile network connection for a considerable period of time. On arrival at your destination, within Western Europe anyway, your connection will be re-established. Please note that, when going abroad, you should enable 'data roaming' on your device until such time as your sail plan has been ended. The central system will be able to receive and save your new position as soon as you are within reach of a foreign mobile network. Assuming that the calculated ETA is correct, the escalation schedule (see 'defining and logging a sail plan' in this manual) will not be activated.

If, during your trip, it already becomes obvious that the sail plan's ETA is going to be exceeded it is possible, even without a connection, to extend/modify your sail plan. As soon as connection has been re-established the new ETA will be transmitted and processed in the central system. After you have ended your sail plan you may disable 'data roaming' on your device.

GPS positioning
All smartphones have GPS receivers. The position obtained from GPS satellites is made more accurate by the presence of mobile network transmitters and the proximity of Wi-Fi transmitters. Your position's accuracy, therefore, will vary and it will be transmitted – as reported – with the other information on position, heading and remaining battery percentage to the central system.
At the bottom of your screen the most recently reported position is displayed. The positioning's accuracy is indicated by a coloured dot. The colour indication is as follows:

🔴 Poor 🟠 Fair 🟢 Good

Please note! When charging your device on the on-board mains supply, for instance in the cabin, mobile network and GPS satellite reception may be impaired.

Language
If your device has been programmed for the Dutch language, the Dutch version of the App (KNRM Helpt) will run automatically.
If your device has been programmed for a different language, the English version (KNRM Helps) will run automatically.

 Logo app Dutch-language version

 Logo app English-language version

Integrated help function and application version number
Information windows have been built into most of the app's screens. When using the app for the first time, said windows pop up automatically. You can access the information windows at any time by pressing the ⓘ icon.

The document icon 📄 provides information on the KNRM Helps version number installed on your device. This page also contains references to the KNRM privacy statement and the end user license agreement between the KNRM, the app's owner and you, the end user.

Logging out
You can log out at any time by pressing the ⏻ icon. You will be asked to confirm that you really want to log out. By pressing "Yes" the session will be ended and you will have been logged out.

Differences between iOS (Apple) and Android (Google)
The "Next" and "Back" buttons on iOS devices are located at the top of the screen; on Android devices they are at the bottom of the screen.

The icon for calling up information windows ⓘ on iOS devices is located at the bottom of the screen, on Android devices it is located at the top of the screen.

The same applies to the version number, privacy statement and end user licence agreement: the 📄 icon.

The ⏻ button is at the bottom of the screen on iOS devices, at the top on Android devices. Selecting options (e.g. date and time) from scroll bars is done by pressing "Select" in iOS and "Done" in Android.

Annex 1: Escalation schedule

The hereunder shown escalation schedule provides information on the messages sent by KNRM Helps en what kind of action will be undertaken from 5 minutes before a sailplan expires untill 130 after it expired.

ETA	Trip Status	Receipient	Message Type	Message (UK)
ETA -5 minutes	Trip active	Boater	Notification app	"KNRM Helps Your trip will be marked overdue within 5 minutes. Please extend or end your trip."
ETA +15 minutes	Trip overdue	Boater	Notification app	"KNRM Helps Your trip is now expired. Please extend or end your trip."
		Boater	SMS	"KNRM Helps Your trip is now expired. Please extend or end your trip."
ETA +60 minutes *Local notification displays at 15 minute intervals starting after the ETA +60 minutes*	Trip overdue	Boater	Notification app	"Your KNRM Helps trip is now 60 minutes overdue. Please extend or end your trip."
		Boater	SMS	"Your designated Emergency Contacts will be informed in 30 minutes from now via an automatic SMS text message."
		KNRM AC	E-mail to KNRM AC	"Please be advised that trip known under number [TR number] is now more than 60 minutes overdue and has not been acknowledged. Hereby you receive the details of the overdue vessel and crew. (list of user details) Please go to KNRM Helps Monitoring Console via www.knrmhelpt.nl for more details on this overdue trip."
ETA +90 minutes	Trip overdue	Boater	Notification app	"Your KNRM Helps trip is now 90 minutes Overdue. Please extend or end your trip."
		Boater	SMS	"Your designated Emergency Contacts are being alerted via an automatic SMS text message."
		Emergency contacts	SMS	"Please be advised that trip known under number [TR number] is now more than 90 minutes overdue and has not been acknowledged. Please contact KNRM Helps on number **+31 592 390451**?"
ETA +130 minutes	Trip overdue and Netherlands Coastguard alerted	Boater	SMS	"The Netherlands Coastguard has been notified about your, now more than 130 minutes, overdue trip and will undertake the neccesary actions."
		Emergency contacts	SMS	"The Netherlands Coastguard has been notified about the, now more than 130 minutes, overdue trip known under number [trip number] and will undertake the neccesary actions. Please contact Netherlands Coastguard on **+31 223 54 23 00**"

Annex 2: Netherlands Coastguard and KNRM catchment area

Legenda:

Werkgebied
Nederlandse Kustwacht:
Algemeen / alle taken:
TZ en EEZ

Vastgestelde
Internationale grens

Noorwegen

Denemarken

Duitsland

Nederland

Engeland

• Den Helder
(Netherlands Coastguard/Kustwacht)

• IJmuiden
(KNRM headquarter/kantoor)

België

- Lifeboatstation
- Lifeguardstation

Ameland 10
Schiermonnikoog 2 7 9 10
Eemshaven 3
Paal 8 4 8 9 10
Ballum 2
Nes 7 9
Lauwersoog 4 5
Vlieland 3 7 8 9 10
Terschelling 2
Harlingen 4 7
De Cocksdorp 4
De Koog 8 9
5
Oudeschild
Den Helder 2
Den Oever 6
Hindeloopen 4 7
Medemblik 5
Lemmer 4 7
Callantsoog 7 9
Andijk 5
Petten 7 9
Enkhuizen 4 7
Urk 3 7
Egmond aan Zee 4 9
Lelystad 5
Wijk aan Zee 4 9
Marken 4 7
Elburg 5
IJmuiden 1 2
Zandvoort 4 9
Huizen 5
Blaricum 7
Noordwijk aan Zee 4 9
Katwijk aan Zee 4 9
Wassenaar 10
Scheveningen 2 8 9
Ter Heijde 4 9
Hoek van Holland 2
Stellendam 2
Ouddorp 7 9
7
Dordrecht 5 5
Neeltje Jans 2
5
Westkapelle 4 9
Veere 5
Hansweert 3
Breskens 2 8
Cadzand 4 9

Type Nikolaas 5
Type Harder 6
Type Nh1816 1
Type Atlantic 7
Type Arie Visser 2
Type Float 500 8
Type Johannes Frederik 3
Kusthulpverleingsvoertuig 9
Type Valentijn 4
KNRM Lifeguards 10

Lifeboatstations and material

Nh1816-KLASSE
19,3 x 6,5 x 1,10 m, 2 x 1.200 pk, 31 knots
120 survivors, 6 crew

Nh1816*	2014	IJmuiden

ARIE VISSER CLASS
18,8 x 6,1 x 1,05 m, 2 x 1.000 pk, 32 knots
120 survivors, 6 crew

Arie Visser*	1999	West-Terschelling
Koning Willem I*	1999	Schiermonnikoog
Zeemanshoop*	2000	Breskens
Koopmansdank*	2001	Neeltje Jans
Koos van Messel*	2003	IJmuiden
Anna Margaretha*	2004	Ballumerbocht
Jeanine Parqui*	2006	Hoek van Holland
Joke Dijkstra*	2007	Den Helder
Kitty Roosmale Nepveu*	2008	Scheveningen
Antoinette*	2009	Stellendam

JOHANNES FREDERIK CLASS
14,4 x 5,4 x 0,75 m, 2 x 680 pk, 34 knots
75 survivors, 4 crew

Jan van Engelenburg*	1990	Hansweert
Graaf van Bylandt*	1996	Vlieland
Jan en Titia Visser*	1996	Eemshaven
Kapiteins Hazewinkel*	1997	Urk
Christien*	1993	Reserve
Dorus Rijkers*	1997	Reserve

VALENTIJN CLASS
10,6 x 4,1 x 0,75 m, 2 x 430 pk, 34 knots
50 survivors, 4 crew

Valentijn* 1990 Reserve		
Beursplein 5*	1992	De Cocksdorp
Adriaan Hendrik*	1992	Egmond aan Zee
Annie Jacoba Visser*	1993	Lauwersoog
Donateur*	1993	Wijk aan Zee
Anna Dorothea*	1994	Lemmer
Annie Poulisse*	1995	Zandvoort
Alida*	1995	Hindeloopen
Wiecher en Jap Visser-Politiek*	1996	Harlingen
Watersport-KNWV*	1997	Enkhuizen
Frans Verkade*	1997	Marken
De Redder*	2001	Katwijk aan Zee
Winifred Lucy Verkade-Clark*	2002	Cadzand
Frans Hogewind*	2003	Terschelling-Paal 8
Uly*	2003	Westkapelle
George Dijkstra*	2005	Ter Heijde
Paul Johannes*	2007	Noordwijk aan Zee

NIKOLAAS CLASS
9,0 x 2,9 x 0,5 m, 2 x 250 pk, 34 knots
20 survivors, 3 crew

Nikolaas Wijsenbeek*	2009	Huizen
KBW 1910*	2009	Dordrecht-Zuid
Oranje*	2010	Veere
Evert Floor*	2010	Elburg
Fred*	2011	Neeltje Jans
Tjepke Ekkelboom*	2011	Dordrecht-Noord
Bernardine*	2012	Medemblik
't Span*	2013	Andijk
Bert en Anneke Knape*	2013	Lelystad

Hayo	2013	Brandweer Hoorn
Royal Flush*	2014	Reserve
Cornelis Dito*	2014	Oudeschild
Springbok*	2015	Lauwersoog

(seperate model with same dimensions)

Johanna Margareta*	2003	Den Oever

ATLANTIC CLASS
6,5 x 2,2 x 0,7 m, 2 x 70 pk, 30 knots
12 survivors, 3 crew

John Stegers*	1994	Lemmer
Maria Hofker*	2004	Ameland-Nes
Edzard Jacob*	2004	Schiermonnikoog
Hendrik Jacob*	2004	Marken
Huibert Dijkstra*	2004	Vlieland
Koen Oberman*	2005	Callantsoog
Francine Kroesen*	2005	Reserve
Maria Paula*	2006	Reserve
Griend*	2006	Ouddorp
Palace Noordwijk*	2006	Lauwersoog
Veronica*	2007	Harlingen
Neeltje Struijs*	2007	Stellendam
Corrie Dijkstra-van Elk*	2007	Enkhuizen
Baron van Lynden*	2008	Ouddorp
Dolfijn*	2008	Petten
Hendrika Theodora*	2008	Reserve
Hendrika Pieternella*	2012	Urk
Ineke van Dun-de Meester*	2013	Hindeloopen
Blaricum 1		Blaricum

FLOAT CLASS
5,1 x 2,0 x 0,3 m, 50 pk, 25 knots
5 survivors, 3 crew

Tonijn	1991	Terschelling-Paal 8
Beluga	1991	Scheveningen
Gul	1992	Vlieland
Zalm*	1992	De Koog
Leng	1992	Breskens
Fint	1992	Reserve
Meun	1992	Reserve
Steur	1993	Reserve
Heek	1993	Reserve
Meerval	1996	Reserve

RESCUE WATER CRAFT
3,4 x 1,2 x 0,2 m, 130 pk, 42 knots
2 survivors, 2 crew

Schiermonnikoog (1), Ameland (4), Terschelling (3), Katwijk (1), Wassenaar (1), reserve (1), named:
Ferdi* - ANWB/Waterkampioen - Ab Vis - Kaatje - Margot Berkman - Grand Hotel Huis ter Duin - Nick de Jonge Redder

48 lifeboat sheds and crew houses
 3 Waterproof lanch vehicles (Seatrac)
11 Waterproof tractors
17 Boat trailers
19 Coastal emergency vehicles
 1 Truck for Logistics
 4 Four wheel drives for lifegaurds
14 Cranes and davits for lifeboats
 8 Pontoons and gangways
22 Fueltanks with pump system

* These lifeboats were dontated to the KNRM.